**Cell Membrane:** The cell membrane holds the cell together and allows nutrients in the cell. On the edge of the cell.

**Cytoplasm:** The watery gel inside a cell. It’s the goop that hold the organelles.

**Mitochondria:** Releases the energy from food. Breaks down glucose.

**Nucleus:** Controls the cell. It’s like the brain of the cell.

**Nuclear Membrane:** The nuclear membrane allows substances to pass in and out of the nucleus.

**Chromosomes:** Inside the nucleus and are made of genes (DNA)

Vacuoles: Spaces in the cytoplasm where food and chemicals are stored

Cell walls: Only in plant cells....make the cell strong and rigid.

Ribosome: Makes proteins

Endoplasmic Reticulum: Packages proteins and releases them to be transported

Golgi Apparatus: takes the proteins created by the ribsomes and transports them

Centriole: Forms spindle fibers in animal cells during cell division

**Difference between Plant and Animal Cells:**  
Plant Cells have cell walls, larger vacuoles, and Chloroplasts

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